Introduction

Thank you for purchasing this television set. Every effort has been made to simplify the operation and tuning of the receiver by the use of menus. These menus are displayed on screen when requested giving easy access to the various adjustments.
This handbook has been designed to help you install and operate your TV set. We would strongly advice you read it thoroughly.

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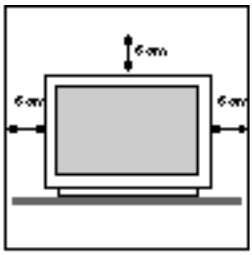
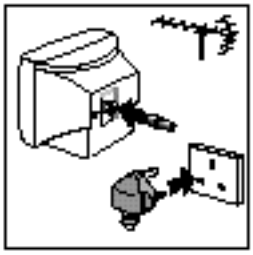
Installation



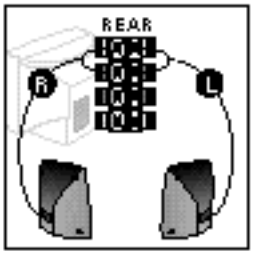
❶ Installing the TV set

Place your TV set on a solid, stable surface (please ensure this is strong enough). Do not place anything on the TV set which might damage it (plants or heat sources). For ventilation allow a space of at least 5cm around the TV set.



❷ Connecting the aerial and the mains

Insert the aerial plug into the socket ⊓ at the rear of the set.
Insert the mains plug into a wall socket (220-240 V/50 Hz).

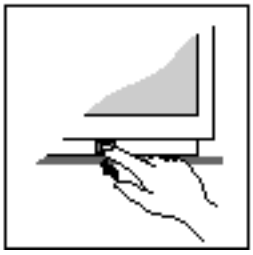


❸ Surround loudspeakers

Connect the 2 Surround loudspeakers as illustrated opposite. The loudspeakers should be located at the rear or on either side of the listener (always connect 2 loudspeakers). The positive wire (the one with the black line) to the red loudspeaker connection, the negative wire to the black loudspeaker connection.

❹ Remote control

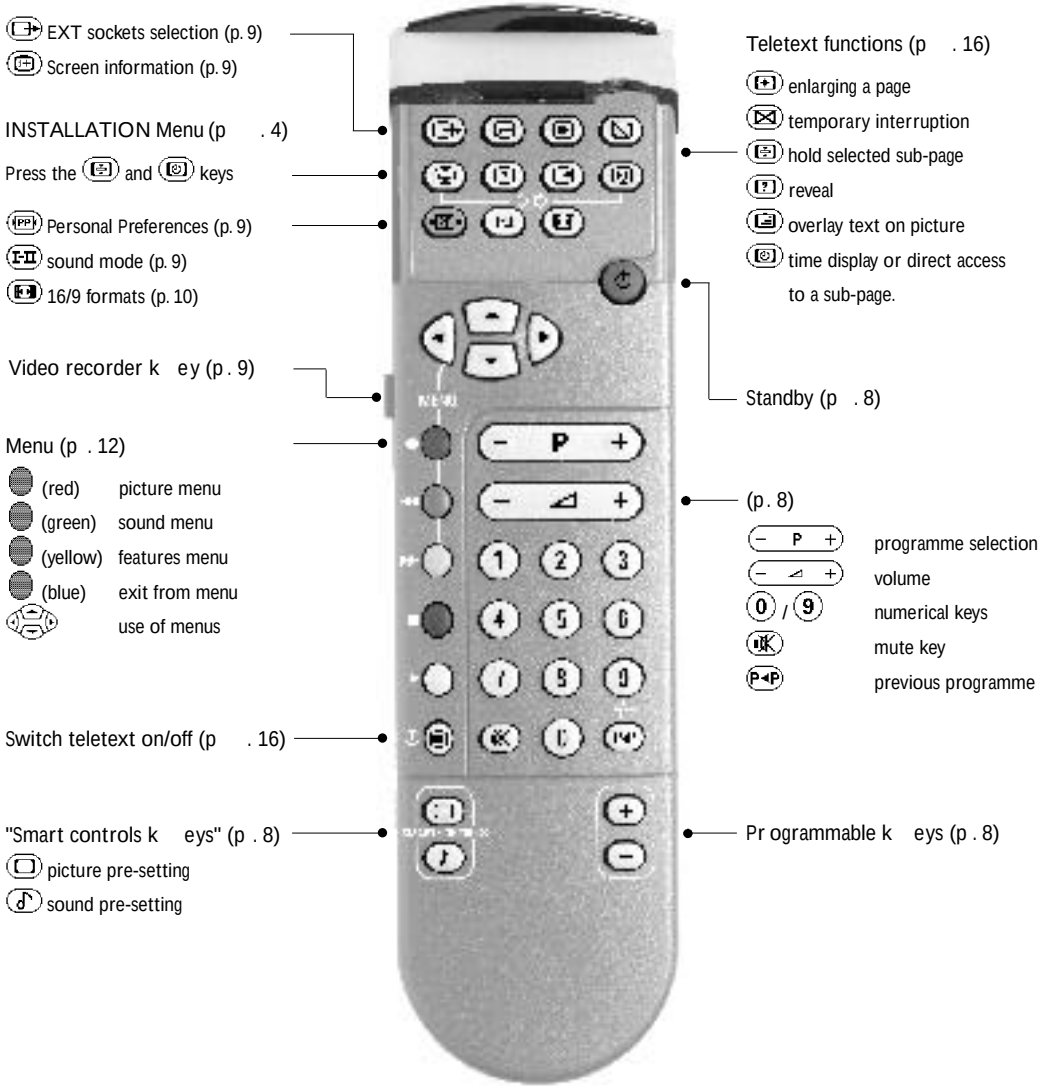
Insert the 2 LR03-type batteries (supplied) making sure they are the right way around.
In an effort to help protect the environment the batteries supplied with this television do not contain mercury or nickel cadmium. If a means of recycling batteries is available, please use this (if in doubt, contact your dealer).



❺ Switching on

Press the on/off key to switch on the television.
A green indicator comes on and the screen lights up.
If the indicator is red, press the − P + key on the remote control.
When the remote control is being used the indicator flashes orange.

Remote control keys



The keys on the TV set

The television has 3 keys: MENU, - and +. These keys are located on the top, front or side of the set, (if on the front or side of the set they may be concealed by a flap). The MENU key is used to select the function to be altered. The - and + keys are used select programmes or modify the selected MENU item.

Installation Menu

This Menu enables you to tune in the channels on the TV set.

To call up the INSTALLATION menu:

❶ Open the cover

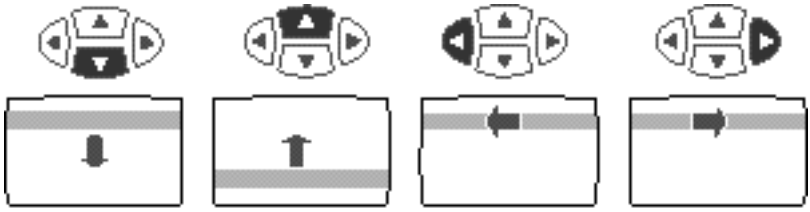
❷ Press the ⓜ and ⓞ keys at the same time.

The INSTALLATION menu appears on the screen.

If the menu display is not stable, press the – P + key.

To use the menus:

These 4 keys allow you to move around in the menus, make adjustments and access the sub-menus.



To exit from the menus

Press the blue key.

Selecting the menu language and the country

From the INSTALLATION menu:

❶ Select the LANGUAGE adjustment using the ▲▼ keys.

❷ Select the language you wish to use by means of the ◀ or ▶ keys.
The text for all the menus will appear in the language you have chosen.

❸ Select the COUNTRY adjustment using the ▲▼ keys

❹ Select your country using the ◀ or ▶ keys (GB for Great Britain).
Warning: It is essential for correct channel tuning that these two adjustments are set correctly.

Tuning-in the TV channels

There are two ways the television can be tuned in : automatic store or manual store (tuning - in channel by channel).

Automatic store

From the INSTALLATION menu (⑧ and ⑦ keys)
(after ensuring LANGUAGE and COUNTRY have been set correctly)

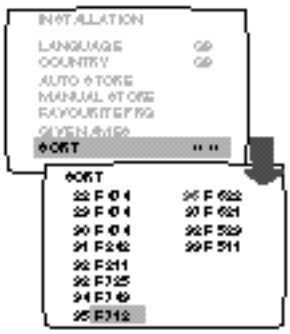
❶ Select AUTO STORE (▲▼ keys) and press ▶.
The AUTO STORE menu appears. Searching begins.
The TV set searches through the complete frequency range in your local region and stores all the programmes it finds. The search operation takes a few minutes. When the search is complete, the INSTALLATION menu reappears automatically.
This TV set is equipped with an Easy Tune system which automatically sorts the programmes by name.

❷ If the transmitter emits the correct signal, the programmes are correctly numbered. Go to page 7.
In certain cases, the system may ask you to indicate your local region using keys ⓪ to ⑨.

❸ If no signal is emitted, the programmes will be numbered in descending order starting from 99, 98, 97,.. Should this occur, the SORT menu should be used to re-number the programmes.
If no picture is found, refer to the chapter entitled "Tips" (page 21).

Sort

This menu allows you to re-number the programmes in the order you prefer.



❶ Select SORT (▲▼ keys) and press ▶.
The SORT menu appears. The menu provides a list of all the programme numbers with their names (where provided), or frequencies or channels.

❷ Using the ▲▼ keys, select the programme to be re-numbered.
If, for example, you want to re-number programme 96 as 2: Select 96 using ▲▼ keys (or type ⑨ ⑥).
The number chosen (96) will appear in blue in the list.

❸ Press the ▶ key to enter. A yellow rectangle appears on the name of the programme (or on its frequency or channel).

❹ Enter the new number using keys ⓪ to ⑨.
In our example, type ②. Programme 02 appears. The number (02) appears in blue in the list.

❺ Press the ▶ key to enter (◀ can be used to cancel).
The exchange of numbers is now complete. In our example, programme No. 96 has become No. 02 (and programme No. 02 has become No. 96).
Repeat this operation for other programmes you wish to re-number

To exit from the menu

Press the blue ● key.

Manual store

This menu allows you to store each programme manually.
From the INSTALLATION menu (⑧ and ⑦ keys).

❶ Select MANUAL STORE (▲▼ keys) and press ▶.
The MANUAL STORE menu appears.

❷ Select CHANNEL/FREQUENCY (▲▼). For certain countries this adjustment is not available.
Use the ◀▶ keys to select tuning mode.
FREQ. (frequency search) or CHAN.C and CHAN.S (channel search if you know the channel numbers on which the programmes are broadcast).

❸ Select SYSTEM (▲▼).
Use ◀▶ to select EUROPE, EUR. W, EUR. E, UK or FRANCE (according to model).
Selecting EUROPE guarantees automatic detection, with the exception of transmissions from France (standard LL': select FRANCE) or in certain cases of poor reception where EUR. W (BG), EUR. E (DK) or UK (I) should be selected.
For more information see glossary on p. 22.

❹ Select SEARCH (▲▼) and press ▶.
The search begins. As soon as a programme is found, the search will stop.
Go to section ❻.
If you know the frequency (or the channel) of the programme you wish to receive, you can enter its number in directly using keys numbered ⓪ to ⑨.
If no picture is found, refer to "Tips" chapter (page 21).
If you want to rerun the search, press ▶ again.

❺ Select FINE TUNE (▲▼). If reception is not satisfactory, you can use the fine tuning function.
Hold down the ◀▶ keys to adjust.

❻ Select PRG NUMBER (▲▼)
Use the ◀▶ keys or the ⓪ to ⑨ keys to enter the required number.

❼ Select STORE (▲▼) and press ▶.
The OK message appears. The programme and its name (if it has one) are stored.

repeat ❹, ❻, ❼ for each programme to be stored.

To exit from the menu:

Press the blue ● key.

Favourite Programmes

This menu allows you to choose which programmes can be accessed using the − P + key on the remote control.
From the INSTALLATION menu:

❶ Select FAVOURITE PRG (▲▼ keys) and press ▶
The FAVOURITE PRG menu appears. All programmes found during the search are automatically included in the menu and appear in green.

❷ Use the ▲▼ keys to select any programme you wish to remove from the list of favourites.

❸ Press ▶ to de-activate (or activate) a programme.
The de-activated programmes appear in white, the activated programmes appear in green.
Only the programmes and EXT sockets that are displayed in green in this menu can be accessed using the − P + key.
<u>Warning</u>: If all programmes are de-activated, the − P + key will cease to function.

To exit from the menu:

Press the blue key.

Programme names

This menu allows you to name and modify names for programmes and EXT sockets.
From the INSTALLATION menu:

❶ Select GIVE NAMES (▲▼ keys) and press ▶.
The GIVE NAMES menu appears with the list of programmes found automatically during installation.
Certain programmes may not be named (the signal needed for identification is not always transmitted) or may be inappropriately named (only 5 characters are displayed).

❷ Use the − P + key to select the required programme.

❸ Use the ◀▶ keys to move to the area in which the programme name appears (up to 5 characters).
A yellow rectangle appears in the chosen area.

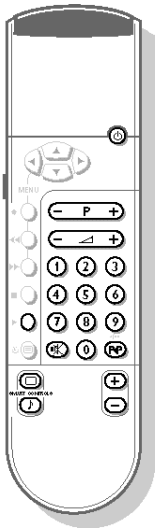
❹ Use the ▲▼ keys to select or modify the character.

❺ Use the − P + keys to move around in the next programme.

To exit from the INSTALLATION menu:

Press the blue key twice.

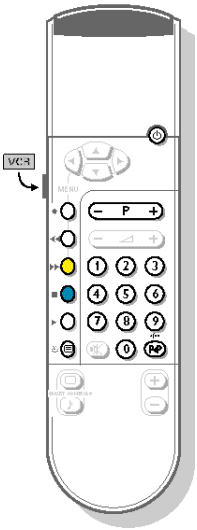
Using the remote control



Press:		Result:
⏻	Standby	The TV set is switched off and the red indicator lights up. To switch the TV set on again, press − P + or keys 0 to 9. *For further information, see "Tips" (p. 21).*
− P +	Selecting TV programmes	Move up or down a programme. *N.B.: Only programmes activated in the* FAVOURITE PRGS *menu can be accessed (see p. 7).*
− ◿ +	Volume	The volume is adjusted.
0 / 9	Numerical keys	Choose a programme. For a 2 figure number, the second figure must be entered before the dash disappears.
🔇	Mute key	Disables or enables the sound.
P◂P	Previous programme	Return to the last programme watched.
▭ ♪	"Smart Controls" keys	To access the presets of the TV set. Smart Picture Controls: Press the ▭ key to obtain the following settings: RICH, SOFT, NATURAL and return to MANUAL. Smart Sound Controls: Press the ♪ key to obtain the following settings: CONCERT, CLASSIC, JAZZ, POP, STADIUM and return to MANUAL. *The values corresponding to these presets are given in the* PICTURE *and* SOUND *menus (see p. 12).*
+ −	Programmable keys	These allow direct access to any adjustment made in the PICTURE and SOUND menus (see p. 12) To program the keys: If, for example, you wished to gain direct access to the BRIGHTNESS adjustment. Display the PICTURE menu (red key) and select BRIGHTNESS (▲▼). Use keys − and + to adjust, rather than the ◀▶ keys. The keys are now programmed. Exit from the menu (blue key). Press − and + again. This will give you direct access to the brightness adjustment. Repeat for any other adjustment you may wish to make. This operation may be repeated for any other adjustment you may wish to make (e.g. SOUND MODE: refer to page 13).

Other functions

Press:		Result:
	Select EXT sockets	Pressing this key selects E1 (EXT1), E2 (EXT2) and E2 Y/C in turn (see p. 18).
	Screen information	To continuous display of the programme number and the information line on or off each time the programme is changed, press this button for 3 seconds. Pressing briefly displays the number, name, 16:9 mode sound mode and information line for a few seconds. *The information line displays the title of the programme at the bottom of the screen (except in mode* ZOOM 14:9 *and* ZOOM 16:9*). This line is only displayed for those programmes which transmit the signal by teletext.*
	Time display	The time is displayed in the top right-hand corner of the screen. *This function only exists if the programme broadcasts teletext.*
	Personal Preferences	Restores the settings made in the FEATURES menu (see p. 14). Keep the button pressed during 3 seconds if you want to reset the adjustments per programme.
	Sound mode	Pressing this key allows you to switch from STEREO to MONO sound (in case of stereo transmission), or to choose between language I or language II (in case of bilingual transmissions). For TV sets fitted with NICAM reception, the DIGITAL message appears when a NICAM broadcast is received. The key allows you to switch from DIGITAL STEREO to MONO or, for bilingual transmissions, to choose between DIGITAL I, DIGITAL II or MONO.

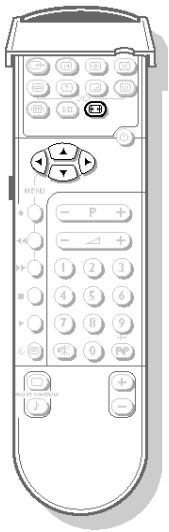


VCR	Video recorder keys	Press the VCR key and one of the following keys simultaneously.

- ● record,
- ◀◀ rewind,
- ▶▶ fast forward,
- ■ stop,
- ▶ play,
- programming (on certain models),
- -/-- 1- or 2- digit programmes,
- programme selection,
- 0 to 9 enter a programme number,
- standby

These keys function with video recorders in our range and with all models which use the RC5 signalling standard.

16/9 Function



The pictures you receive may be transmitted in 16:9 format (wide screen) or 4:3 format (conventional screen). 4:3 pictures sometimes have a black band at the top and bottom of the screen (letterbox format). This function allows you to optimise the picture display on screen.

Automatic switching

This TV set is also equipped with automatic switching which will select the correct-screen format, provided the specific signals are transmitted with the programmes.

This automatic format can olso be modified manually.

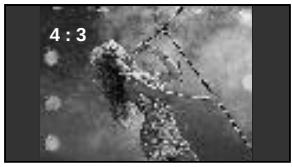
Using the different screen formats

Press the ◁ ▷ keys to select the different modes:
4:3, ZOOM 14:9, ZOOM 16:9, SUBTITLE ZOOM, SUPER ZOOM and WIDE SCREEN.

These settings may also be accessed using the ⊡ key under the flap on your remote-control.

4:3 Mode

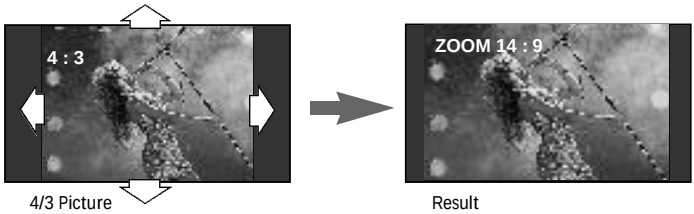
The picture is reproduced in 4:3 format and a black band is displayed on either side of the picture.The picture may be progressively enlarged using the △ ▽ keys.



4/3 Picture

ZOOM 14:9 Mode

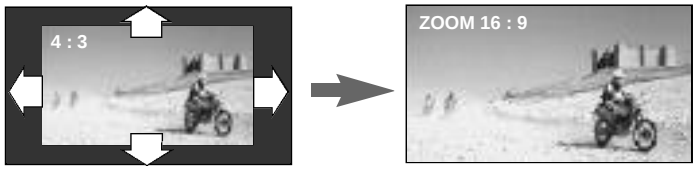
The picture is enlarged to 14:9 format, a thin black band remains on both sides of the picture.The △ ▽ keys allow you to increase or decrease the section at the bottom of the picture where sub-titles may be displayed.



4/3 Picture Result

ZOOM 16:9 Mode

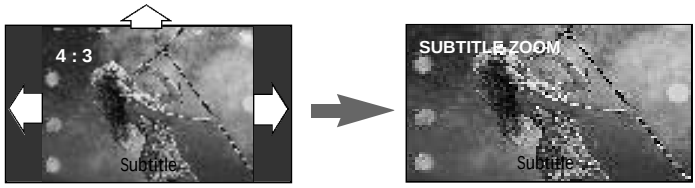
The picture is enlarged to 16:9 format.This mode is recommended when displaying pictures which have black bands at the top and bottom (letterbox format). Use the ⏶⏷ keys if you wish to display sub-titles.



4/3 Picture Letterbox　　Result

SUBTITLE ZOOM Mode

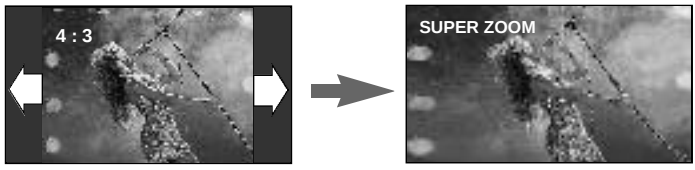
This mode is used to display 4:3 pictures using the full surface of the screen leaving the sub-titles visible. Use the ⏶⏷ keys to increase or decrease the section at the bottom of the picture.



4/3 Picture　　Result

SUPER ZOOM Mode

This mode is used to display 4:3 pictures using the full surface of the screen by enlarging the sides of the picture.

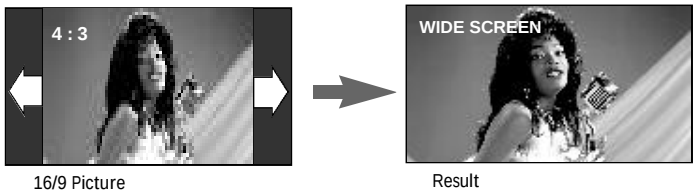


4/3 Picture　　Result

WIDE SCREEN Mode

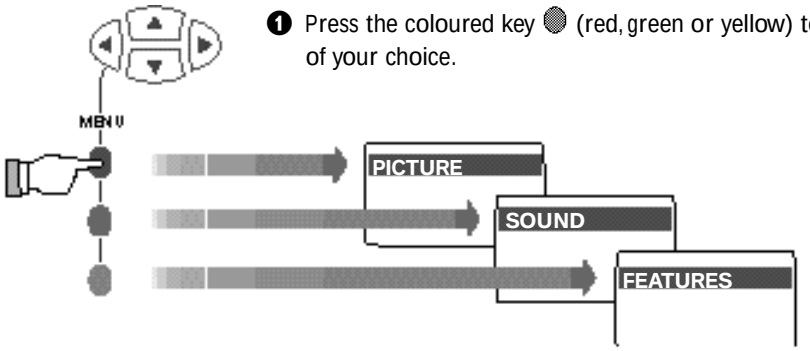
This mode restores the correct proportions of pictures transmitted in 16:9 using full screen display.

Note: If you display a 4:3 picture in thid mode, it will be enlarged horizontally.



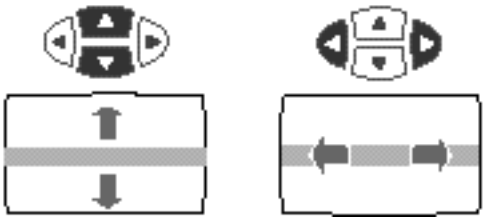
16/9 Picture　　Result

Using the menus



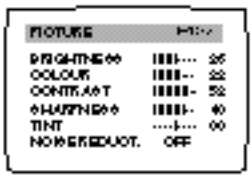
❶ Press the coloured key ● (red, green or yellow) to display the menu of your choice.

❷ Use the ⌃⌄ keys to select your adjustments and the ◁▷ keys to adjust or access the sub-menus.



❸ Press the blue ● key to exit from the menu displayed.

Picture



❶ Display PICTURE menu (red ● key).

❷ Use the ⌃⌄ keys to select your adjustments and the ◁▷ keys
Use ⌃⌄ to select the adjustments and ◁▷ to adjust.
You can now access the adjustments BRIGHTNESS, COLOUR, CONTRAST and:
SHARPNESS adjusts the clarity of the picture,
TINT adjusts the colour temperature of the picture from “cool” (blue white) to “warm” (red white).
NOISE REDUCT. Useful in case of poor reception to reduce picture noise (snowy picture).
For picture adjustment see also "Tips" (p. 21).

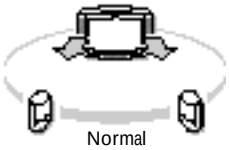
Sound

Press the green key to display the SOUND menu.

Sound mode

This menu allows you to select the different Dolby Surround modes.

1. Select SOUND MODE (the keys) and press the key.
   The SOUND MODE menu appears.
2. Use the keys to select the NORMAL, DOLBY PRO LOGIC, DOLBY 3 STEREO or HALL SURROUND sound modes.
   For each setting, the active loudspeakers are displayed on screen.


Normal

Normal

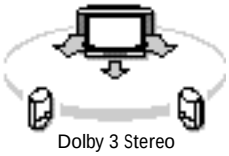
The left (L) and right (R) channels are reproduced on the left and right loudspeakers of the TV set.

Dolby Pro Logic

Dolby Pro Logic* (with Dolby Surround sound sources)

As well as the left (L) and right (R) channels, a centre channel (C) and a rear channel comprising 2 loudspeakers (S), reproduce the Dolby Pro Logic sound.

This mode is used when a film or programme has been recorded or encoded in Dolby Surround sound. These films or programmes are always indicated by the symbol .


Dolby 3 Stereo

Dolby 3 Stereo (with Stereo sources)

Dolby 3 Stereo sound is produced only on the left (L), right (R) and centre (C) channels.

Hall Surround

Hall Surround (with mono or Stereo sources)

The left (L) and right (R) channels are reproduced on the left and right loudspeakers of the TV set and on the rear channel (S), creating a "Hall Surround" ambient effect.

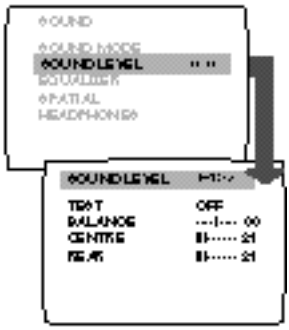
This mode is recommended for broadcasts that are not encoded in Dolby Surround if you wish to use a rear channel.

To exit from the menu : Press the blue key.

Dolby Pro Logic and Dolby 3 Stereo modes are not recommended for mono transmissions (only the central channel is used).

Sound level

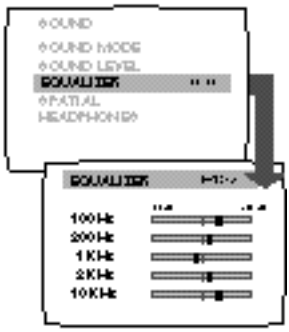
This menu is used to balance the volume between the loudspeakers.



1. Select SOUND LEVEL (keys) and press the key.
   The SOUND LEVEL menu appears.
2. Select TEST (keys) and press the key. A continuous sound is emitted in turn from each channel: left, right, centre and rear channel.
3. Use the keys to adjust the level of each channel independently: BALANCE, CENTRE and REAR. The sequence stops while the level is being changed and then automatically starts up again.
   To stop the test : Press the blue key.

Levels may also be adjusted without using the test signal.

* *Manufactured under license from Dolby Laboratories Licensing Corporation. "Dolby" "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.*



Equalizer

1. Select EQUALIZER (▲▼ keys) and press the ▶ key.
   The EQUALIZER menu appears.
2. Use the ▲▼ keys to select each frequency
   (from bass: 100 Hz to treble: 10 kHz)
3. Use the ◀▶ keys to adjust the level.

To exit from the menu : Press the blue key.

Spatial

This setting increased the stereo effect giving the impression that the loudspeakers are spaced further apart.

Headphones

This setting allows the volume of the headphones to be adjusted independently from the TV set.

To exit from the menu : Press the blue key.

Features

Child Lock

The child lock function is an electronic lock which disables the keys on the TV set.

1. Display the FEATURES menu (yellow key).
2. Select CHILD LOCK (▲▼ keys).
3. Use ◀▶ keys to switch to ON.
4. Switch off the TV set and remove the remote control. The television can no longer be used.
   The TV set can only be switched on using the remote control.
   To cancel: Return CHILD LOCK to OFF in the features menu.

Storing adjustments

This function allows you to store your own picture and sound adjustments. The adjustments are restored every time your set is switched on, or by pressing the green (PPP) key on your remote control.

General storing

1. First carry out your PICTURE and SOUND adjustments and adjust the volume (− +) key) and then:
2. Display the FEATURES menu (yellow key).
3. Select STORE PP ALL (▲▼ keys) and press ▶.
   The message OK appears. All the PICTURE and SOUND menu adjustments as well as the volume are stored.

Storing adjustments for each programme

This function allows you to correct any differences in levels which may exist between TV channels and/or EXT sockets. It allows you to store BRIGHTNESS, COLOUR, SHARPNESS, NOISE REDUCT, SOUND MODE and volume adjustments (− + key).

1. Carry out desired corrections to settings for the programme (or EXT connection), and then:
2. Display the FEATURES menu (yellow key).
3. Select STORE PP P: _ _ (▲▼ keys) and press ▶.
   The message OK appears. The adjustments are stored.
   Repeat for each programme that needs correcting.

Programming

Sleeptimer

From the FEATURES menu (yellow key).

1. Select PROGRAMMING (▲▼) and press ▶.
   The PROGRAMMING menu appears.
2. Select SLEEPTIMER and use ◀▶ to enter the length of time after which the TV will switch to standby mode (up to 180 mins).
   Press the key to display the length of time remaining.

   To cancel: Switch SLEEPTIMER back to 0.

Programmed Switch on

The following adjustments allow you to program the TV to automatically switch on with the programme of your choice.
Select the adjustments using ▲▼ keys:

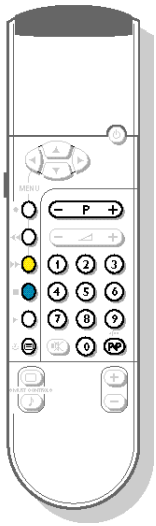
1. SET CLOCK: Use keys 0 to 9 or the ◀▶ keys.
   N.B.: Every time the TV is switched on the clock is automatically updated on the basis of the teletext information in programme No. 1.
   If the TV set does not feature teletext, this update will not occur.
2. START TIME: Use keys 0 to 9 or ◀▶ keys.
3. STOP TIME: Use keys 0 to 9 or ◀▶ keys.
4. PRG NUMBER: Use keys 0 to 9 or ◀▶ keys.
5. DAILY: Set this option to ON (▶ key) if you want the programming to apply every day.
6. TIMER ACTIVE Set this option to ON to activate the timer.
7. Press the blue key to exit from menu.
   If you now switch the TV set onto standby (key), it will automatically switch on at the time programmed.
   To cancel: Switch TIMER ACTIVE back to OFF.
   N.B.: For programming to function correctly do not use the on/off key on the front of the TV set to switch off the TV.
   The programmed switch on-off can be used together with the child lock function in order to limit the use of the TV set to a certain length of time.

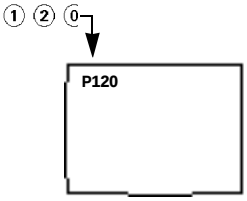
Picture tilt (only on certain models)

Select PICTURE TILT using the ▲▼ keys and use the ◀▶ key to adjust the tilt of the picture.
This compensates for regional variations in the earth's magnetic field.

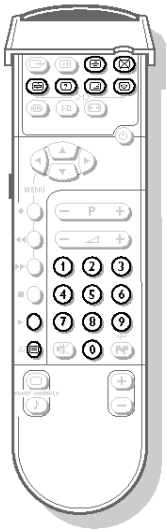
Teletext

Teletext is an information system, broadcast by certain TV channels, which can be consulted in the same way as a newspaper.
It also provides subtitles for the hard of hearing or people who are unfamiliar with the broadcast language (cable TV network, satellite channels, etc.).



Press:	Result:
Switch teletext on/off	Display or exit from teletext. The main index page presents a list of subjects to which you have access. Each subject has a corresponding page number (always 3 digits). *If the selected TV channel does not broadcast teletext, P100 is displayed and the screen remains black (if this is the case, switch off teletext and choose another TV channel).*
0 / 9 Selecting a teletext page 	To type in the page number required. E.g. page 120, type 1 2 0. The number is displayed in the top left-hand corner of the screen, the page counter starts searching and then the page selected is displayed. Repeat to consult another page. *If **> xxx <** flashes briefly or the counter continues searching, this means the page selected is not broadcast or is not available. If this is the case, choose another number.*
Previous page/ Next page selection	To consult the previous page (-) or the next page (+).
Direct access to a subject	Coloured zones are displayed at the bottom of the screen. The coloured keys allow access to the subjects or their corresponding pages.
Main index	To return to the main index (generally on page 100), press the white key.
Previous page	To return to the page displayed previously.

Teletext (special features)

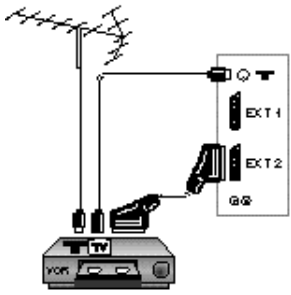


Press:		Result:
(0) / (9)	Subtitles	Consult the main index to find out the page number for subtitles. Enter the subtitles page number (e.g. 888). The page counter searches and then the subtitles appear on screen. If no subtitles are available the page counter will continue to search. To exit from subtitles, press ☰.
⊠	Temporary interruption of the display	To stop or return to the teletext display. The ☰ symbol is displayed, and the television programme reappears on the screen. This function allows you to wait when the search for pages takes a long time.
⊞	Enlarging a page	To display the upper part, the lower part and then to return to the normal page size. *The ⊞ key may be used to enlarge the page.*
⊟	Overlaying teletext on the TV picture	To activate/de-activate the screen overlay.
?	Reveal	To reveal/conceal hidden information (solutions to games or questions/answers).
⊞	Stop the sequence of sub-pages (hold)	Certain pages have sub-pages which follow on automatically. If this is the case, this key will allow you to stop or start the sequence. The message ≡⊞ appears on the top left-hand corner of the screen.
⏻	Direct selection of a sub-page	To access a sub-page directly, press ⏻. The page number followed by four dashes will appear in the bottom left-hand corner of the screen. Type the number of the sub-page required using 4 numbers, e.g. type 0002 to consult sub-page 2. The page counter searches and then the sub-page is displayed. Press ⏻ to return to current page.

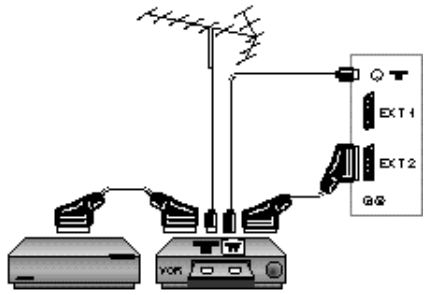
Connecting peripheral equipment

The EXT1 socket has audio and video inputs/outputs and RGB inputs.
The EXT2 socket has audio and video inputs/outputs and S-VHS inputs.
For further information, see glossary (p. 22).

Video recorder



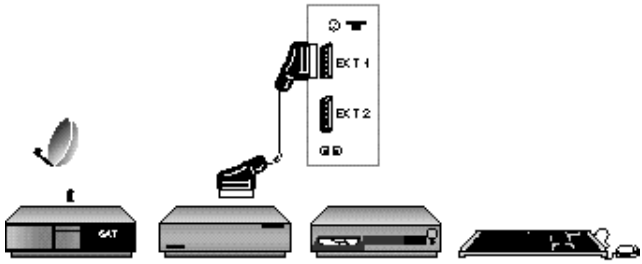
...with Decoder



- If your video recorder has a euroconnector socket, carry out the above connections. Euroconnector sockets ensure better picture quality.
- If your video recorder does not have a euroconnector socket (or if this is already being used by another device), then the only connection possible is via the aerial cable. Your video recorder is then considered as a TV programme by your TV set. You will therefore need to tune in your video recorder's test signal and assign it programme number 0 (see manual store chapter, p. 5).
  To reproduce the video recorder picture, press the ⓪ key.
  Refer to your video recorder's operating instructions concerning the test signal (the video recorder must be equipped with an HF modulator).

Connecting other equipment

(satellite receiver, decoder, CDV/CDI, games...)
Connect to socket EXT1 (or to EXT2 if it produces a S-VHS signals).

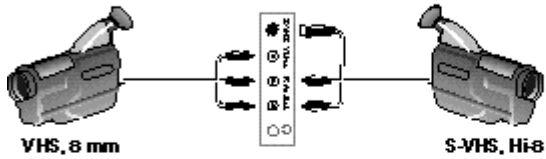


To select connected equipment

Use ⇄ key to select E1 (EXT1), E2 (EXT2) or, for S-VHS or Hi-8 equipment, E2 Y/C.
Most equipment (decoder, video recorder) carries out the switchover itself.

Front connections

Carry out one of the following connections and then:
Use the ⇄ key to select E2 (for VHS or 8mm cameras) or E2 Y/C (S-VHS or Hi-8 cameras).
For a mono sound camcorder, connect the audio signal to the AUDIO L input.
Use the I-II key to reproduce the sound on the left and right loudspeakers of the television.
N.B.: If a peripheral is connected to EXT2, it is advisable to switch it off while using a front S-VHS connection.

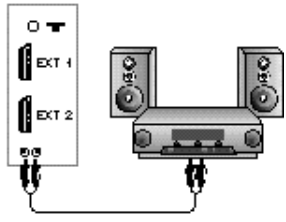


Headphones

To adjust the headphones volume, use the HEADPHONES adjustment in the SOUND menu (p. 14). To adjust the volume on the TV set, use the − ◿ + or 🔇 keys.
You can also access the HEADPHONES adjustment directly using programmable keys − and + on the remote control (see p. 8).

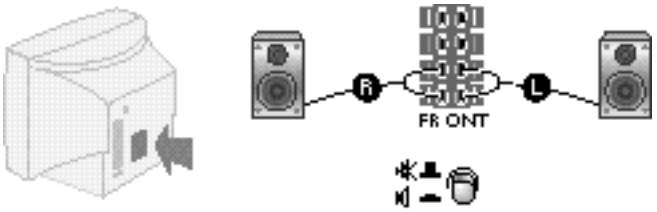
Amplifier

Use an audio connection cable and connect the ⇳ sockets "L" and "R" on the set to the "AUDIO IN" "L" and "R" input on your hi-fi amplifier.



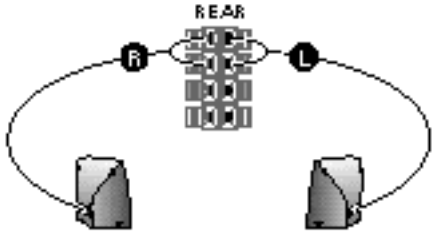
External loudspeakers

For improved sound, you can connect 2 external L and R loudspeakers in the place of the left and right loudspeakers on the TV set.
Connect as shown below and then switch off the internal loudspeakers on the TV set.
The impedance of the loudspeakers must be between 8 and 16 Ohms.



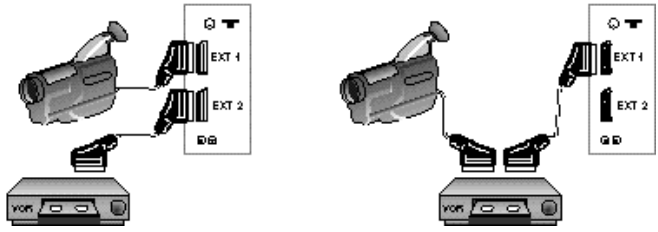
Surround loudspeakers

Connect the 2 Surround loudspeakers as illustrated below.
The loudspeakers should be located at the rear or on either side of the listening zone (always connect 2 loudspeakers).



To make a copy of recordings:

Carry out one of the following connections, then:
Press ⊡ to select E1.
On the video recorder, select the euroconnector socket as the recording source.
N.B.: Copying is not possible using front connections.



Tips

Poor reception

The proximity of mountains or high buildings may be responsible for ghost pictures, echoing or shadows. If this is the case, modify the orientation of the outside aerial.
Check that the TV channel is tuned in correctly or try using fine tuning: see "fine tuning" (p. 6).
The equipment connected to the TV gives a picture in black and white? Check that you have selected the correct E2 or E2 Y/C socket (⇥ key).

No picture

Have you forgotten to connect the aerial socket? Have you chosen the correct system? (p. 6) Does your aerial enable you to receive broadcasts in this frequency range?
Poorly connected euroconnector cables or aerial sockets are often the cause of picture or sound problems (sometimes the connectors can become half disconnected if the TV set is moved or turned). Check all connections.

Picture adjustment

If you have trouble obtaining a clear picture, select one of the smart control presets ▭ (p. 8) and store using the STORE PP ALL function in the FEATURES menu.
The picture seems too red or too blue! Adjust the TINT (p. 12).
In the event of difficult reception (snowy picture) switch the NOISE.REDUCT on the PICTURE menu to ON. (p. 12).
The picture is badly adjusted? press the green PP key or re-adjust (p. 12).
To reset the stored settings for each programme and return to the initial settings, hold the green PP key down for 3 seconds.

No sound

If on certain channels you receive a picture but have no sound, this means that you do not have the correct TV system. Modify the SYSTEM adjustment (p. 6).
The left and right loudspeakers on the TV set do not work? Check that the external loudspeakers switch has not been activated by mistake (p.20).
The Surround Sound loudspeakers do not work? For them to function correctly it is essential that both loudspeakers are connected: check connections.
If in doubt, use the SOUND LEVEL menu (p.13) to check each channel.

Remote control

The TV set does not react to the remote control; the orange indicator on the TV set no longer flashes when you use the remote control? Replace the batteries.

Standby

When you switch the TV set on it remains in standby mode and the indication CHILD LOCK is displayed when you use the keys on the TV set? The child lock function is switched on (p. 14).
To save electricity it is advisable to switch the TV set off using the ON/OFF key on the front of the set. If the set receives no signal for 15 mins, it automatically goes into standby mode.

Still no results ?

If you have a problem with your TV set, never attempt to repair it yourself: contact your dealer's after-sales service.

Recycling directive

Your TV set uses materials which are reusable or which can be recycled.
To minimise the amount of waste in the environment, specialist companies recover used sets for dismantling and collection of reusable materials (consult your dealer).

Glossary

Easy Tune: A system for automatically installing and storing programmes.

PAL SECAM colour coding: PAL is used in the majority of European countries, SECAM in France, the CIS and the majority of African countries. The United States and Japan use a different system called NTSC.

RGB Signals: These are separate Red, Green and Blue signals which directly drive the red, green and blue emmitterers in the cathode ray tube. Using these signals provides better picture quality.

S-VHS Signals: These are 2 separate video signals from the S-VHS and HI-8 recording standards. The luminance signals Y (black and white) and chrominance signals C (colour) are recorded separately on the tape. This provides better picture quality than with normal videos (VHS and 8mm), where the Y/C signals are combined to give only one signal.

Smart controls: Allow access to a series of picture and sound presets.

MONO sound: The sound is in mono when only one channel is transmitted.

STEREO sound: The sound is in stereo when the left and right channels are transmitted separately.

NICAM sound: Process by which digital sound can be transmitted.

System: Television pictures are not broadcast in the same way in all countries. There are different standards: BG, DK, I and L L' (France). The SYSTEM adjustment is used to select these different standards.

16/9: Refers to the ratio between the length and height of the screen. Wide screen televisions have a ratio of 16/9, that of your TV set is 4/3.
Warning: If you intend to watch a 4/3 ratio picture in a 16/9 ratio format, the picture will be compressed vertically.

14/9 (only on certain models):
Intermediate format which, by enlarging the picture, reduces the size of the black bands at the top and bottom of the pictures in cinemascope format.

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